

General Information	
Academic subject	Advanced vegetable and floriculture crops (Module of Plant productions)
Degree course	Master degree in Plant Medicine (LM69)
Curriculum	
ECTS credits	3
Compulsory attendance	No
Language	Italian

Subject teacher	Name Surname	Mail address	SSD
	Pietro SANTAMARIA	pietro.santamaria@uniba.it	AGR/04

ECTS credits details			
Basic teaching activities	Disciplines of crop production		

Class schedule	
Period	First semester
Year	First year
Type of class	Lectures, 2 ECTS (16 hours) Laboratory and field classroom and workshops, 1 ECTS (14 hours)

Time management	
Hours	75
In-class study hours	30 (16 Lectures + 14 Lab & field cl.)
Out-of-class study hours	45

Academic calendar	
Class begins	March 5, 2018
Class ends	June 22, 2018

Syllabus	
Prerequisites/requirements	Agronomy and Vegetable and floriculture crops requests for admission to the Master course.
Expected learning outcomes	<ul style="list-style-type: none"> • <i>Knowledge and understanding</i> <ul style="list-style-type: none"> ○ Knowledge of design and sustainable management of integrated production of crops and vegetable and floriculture products to improve the qualitative, quantitative and sanitary aspects of production, post-harvest and marketing. • <i>Applying knowledge and understanding</i> <ul style="list-style-type: none"> ○ Ability in innovative design and management of integrated crop production (ICM) and vegetable and floriculture products to improve the qualitative, quantitative and sanitary aspects of vegetable and floricultural yield, post-harvest and marketing. • <i>Making informed judgements and choices</i> <ul style="list-style-type: none"> ○ Ability to analyze the different situations of a production and market environment, to plan and to manage actions to improve the quality and efficiency of vegetable and floriculture production, also in terms of sustainability and eco-compatibility. ○ The acquisition of judgment autonomy is verified by evaluation of the teaching. • <i>Communicating knowledge and understanding</i> <ul style="list-style-type: none"> ○ Personal skills aimed at communication, multidisciplinary

	<p>group work and judgmental skills both at the technical and the human and ethical levels.</p> <ul style="list-style-type: none"> • <i>Capacities to continue learning</i> <ul style="list-style-type: none"> ○ Expected learning outcomes in terms of knowledge and abilities are listed in Annex A of the Teaching Regulation of the Course Guidelines (expressed through the European Descriptors of the Study Degree).
Contents	<p>Agrobiodiversity and local varieties, hartichoke, cauliflower, broccoli, raabs, lattuce and leafy vegetables, tomato (1.5 ECTs; 10 h lectures + 4 h Lab & field cl.).</p> <p>Product innovation: the Proteaceae, the light and its influence on the qualitative and quantitative aspects of production of ornamental species, the grown technique examples especially high (Orchids) and low (fronds) energy input (1 ECT; 6 h lectures + 3 h Lab & field cl.).</p> <p>Visits to production and/or experimental farms (0.5 ECT; 7 h).</p>
Course program	
Bibliography	<ul style="list-style-type: none"> • SANTAMARIA P., SERIO F., 2009. <i>Orticultura (a cura di)</i>. CRSA, Locorotondo (Bari), 242 pag. • BIANCO V.V., PIMPINI F., 1990. <i>Orticultura</i>. Patron editore, Bologna, 991 pag. • Hanan J.J., <i>Greenhouses - Advanced Technology for Protected Horticulture</i>. CRC Press, Boca Raton, 1998. • Larson R.A., <i>Introduction to Floriculture</i>. Accademic Press, New York, London, 1990
Notes	<p>The first book is provided to students in pdf format. All texts are recommended for further reading.</p> <p>To study, students will be able to use lesson notes and shared documents on the FAD platform.</p>
Teaching methods	<p>Lectures will be presented through PC assisted tools (Power Point). The course will also run on a platform of FAD (with a free open source application). The access by users will be through the user name and password.</p>
Assessment methods	Oral
Evaluation criteria	<p>For students enrolled in the year in which the teaching is done, there will be a midterm exam as oral test. The evaluation is expressed in thirtieths and the achievement of a minimum grade of 18/30 is needed. The mark of the midterm exam contributes proportionally to the ECTs to the final evaluation of the exam, but only within one academic year. According to the common calendar for the course of study, students can take the exemption on the first part of the course (all floriculture and a part of vegetable crops). The final exam will consist on an oral test, as reported in the Guideline of the Master Degree of Plant Medicine (art. 9) and in the Annex A.</p> <p>The evaluation of the student will be based on established criteria, as explained in the Annex A of the Guideline of the Master Degree of Plant Medicine. The final grade will be an average of both midterm and final exams.</p>
Further information	<p>Visiting hours: Monday to Thursday, by previous agreement.</p>